

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

L2733
N3A54



AGRICULTURAL LIBRARIES INFORMATION NOTES

National
Agricultural
Library

U.S. Department of
Agriculture
Beltsville, Md. 20705

ISSN: 0095-2699

Volume 10, Number 10

October 1984

NEW INFORMATION TECHNOLOGIES UNDER STUDY

by
Charles N. Bebee,
Leader, Training
& Education, NAL
(301) 344-3937

Rapidly advancing and expanding electronic technologies are the fuel for the information explosion currently transforming our world. These technologies offer revolutionary new opportunities to libraries for information collection, processing, and dissemination. The identification and evaluation of these diverse challenges in their infinite variety have taken on a new urgency.

Currently, the Science and Education (S&E) agencies of the U.S. Department of Agriculture are funding four separate evaluation studies with the objective of developing significantly improved information resource and dissemination capabilities through the National Agricultural Library. The potential for storage and transmission of the full text of publications is a central theme of these studies as is cooperative evaluation involving state land-grant institutions as well as the NAL. The evaluation projects currently underway consist of:

1. Laser Disks. The laser videodisk used in conjunction with the microcomputer appears to offer an attractive format for storing and retrieving texts, pictures, and graphic information. The currently funded study will utilize a test file of full-text information, the Pork Industry Handbook, augmented by a subset of bibliographic citations from the AGRICOLA family of data bases. This will provide a usable access format simultaneously to a variety of users for evaluation of the impact of full-text stand-alone data bases, in comparison with the full-text on-line file, the printed version of the publication, and the bibliographic citation file. The study will also compare costs, effectiveness, and user satisfaction in using the varied forms of input.

This technology has the potential for significantly changing the means by which publications and data bases are stored, distributed, and used. It is conceivable that printing could be relegated to a relatively minor role in text dissemination. The distribution of text information, with indexing, in digital form on a laser disk to institutions and individuals with appropriate microcomputers could make the information available more efficiently, for less cost and in a more timely way.

2. Full-Text Online Storage and Retrieval. The S&E agencies have added funding to the on-line project initiated last year to mount the complete text of the Pork Industry Handbook as a separate file on the Bibliographic Retrieval Service's (BRS) system. Added funds will be used to complete the full-text on-line file, to make it available to a variety of users, and to evaluate results of full-text on-line files in lieu of the printed publication.

Full text on-line data bases offer immediate and in-depth access to the agricultural information contained in printed publications; and they do so at the unprecedented level of each separate word within a sentence. Full-text data bases also offer the option of either selected or full-text delivery of an entire document over telephone lines directly to an individual's personal computer.

Distribution of the three separate files--(a) videodisk, (b) full-text on-line, and (c) the printed publication--will be studied and evaluated at three separate locations: NAL, Purdue University, and the National Pork Producers' Council. Under a cooperative agreement, Purdue University personnel will coordinate studies conducted by pork producers, researchers, library employees, and by other university personnel.

3. Photocomposition Tapes for a Full-Text Data Base. The study involves direct input to a computerized full-text file, thus circumventing the need for expensive rekeying of input data. The cooperator will collect a variety of tapes for input and study their construction as to compatibility with regard to formats, mechanized input, and ease of conversion to inverted files for retrieval.

The expected outcome from this study would consist of:

- a. Recommendations for formatting standards for USDA publications.
- b. A major reduction in time from camera-ready copy to user delivery.
- c. Elimination of manual indexing, handling, and storage.
- d. Better control of USDA document acquisition and distribution.
- e. Possible reductions in printed copies or complete elimination of print.

This study will be conducted in cooperation with the agricultural library of the University of Illinois, Urbana.

4. Agricultural Source Directories. The sources of agricultural information in on-line files are constantly expanding and we realize that no one organization or group of related institutions can expect to collect all of the information available to users of agriculturally related subject matter. Many of the nearly 2,000 available data bases listed in a variety of catalogs contain substantial amounts of usable information on such subjects. No single file carries a major portion of such data and we currently obtain bibliographic information from more than 150 separate files. We are currently funding a cooperative project with the University of Illinois, Urbana, to collect and prepare a directory of files which contain such information to facilitate the utilization of such on-line data bases.

As an added step, we are also studying with the University of Illinois techniques to ease the present burden placed on searchers who must learn multiple search systems. The project will evaluate characteristics of each data base system to determine whether it is possible to construct protocols for an "intelligent gateway" so that the user would prepare the question in a single most-convenient format. The gateway system would then rephrase the question in the correct format for each system queried. "Intelligent gateways" may also be utilized to guide the searcher to saved search strategies, subject guides to data bases, peripheral subjects, ruling vocabularies or other specific research sources. The project may envision trials with some specific scenarios for evaluating search results.

The purpose of these projects is to allow NAL, working with other concerned libraries, to maintain leadership in the collection, storage, and dissemination of agricultural information. The current studies are a logical outgrowth of the adaptation of modern technology to library needs begun more than 20 years ago.

The National Agricultural Library had begun its automation efforts with a task force ABLE report in 1964. Creation of a specialized Pesticides Information Center in 1964 to cover the literature on pest control provided the basis for a contract to produce the Pesticide Documentation Bulletin as its first automated literature product. By 1968 the system was fully operational and appeared to be functioning well. By October 1969 it was extended to produce the entire Bibliography of Agriculture's January 1970 issue using the acronym CAIN (Cataloging and Indexing of the National Agricultural Library).

CAIN was subject to a contract with Lockheed's DIALOG system in 1975 when it was located for on-line retrieval. In 1976 SDC added the file to the ORBIT system and when Bibliographic Retrieval Service started commercial operations it was added to the BRS file.

The NAL system was renamed AGRICOLA (Agricultural On-Line Access) in 1976 and currently contains more than two million citations with approximately 12,000 added each month.

Research units throughout USDA and its cooperating agencies access AGRICOLA and many other on-line data bases. Most of these are bibliographic although a few contain statistical data.

The flow of scientific, technical, and social information must keep pace with advances in technology to exploit them for the benefit of a growing body of users on a timely basis.


NAL NAMES NEW CHIEF FOR PUBLIC SERVICE PROGRAMS

Joseph Howard, Director of the National Agricultural Library (NAL), has announced the appointment of Keith W. Russell as Chief of NAL's Public Services Division.

Russell has been Program Associate with the Council on Library Resources, Inc., (CLR), Washington, D.C. since 1981. The CLR is a private foundation that administers projects and awards grants and contracts to help find national solutions to major problems facing research libraries.

Earlier in his career, Russell headed the Science-Engineering Library at the University of Arizona, Tucson. He also served in library posts at the University of Texas, the Houston Academy of Medicine--Texas Medical Center Library, and the University of Illinois.

In his new NAL position, Russell will be responsible for reference, lending and related services, special collections, and the D.C. Branch Library.


Russell received a bachelor of science degree from Illinois State University and master of science degrees in library science and botany from the University of Illinois. 

NEW CHIEF NAMED FOR NAL TECHNICAL SERVICES

Joseph Howard, Director of the National Agricultural Library (NAL), has announced the appointment of Dr. Sarah E. Thomas as Chief of NAL's Technical Services Division, with responsibility for acquisitions, serials, cataloging, and indexing activities. Dr. Thomas has been Manager for Library Coordination, Research Libraries Group (RLG), Stanford, California, since 1981.

She spent the past year at the University of Georgia Libraries, Athens, Georgia, where she participated in the academic library management program sponsored by the Council on Library Resources.

Earlier in her career, she held various cataloging and management positions at the Eisenhower Library, Johns Hopkins University, Baltimore, Maryland, and the Widener Library, Harvard University, Cambridge, Massachusetts. She also taught German language and literature at Johns Hopkins.

Thomas received her BA degree from Smith College, Northampton, Massachusetts, a masters degree in library science from Simmons College, in Boston, Massachusetts, and a PhD degree from Johns Hopkins. 

1985 OBERLY AWARD NOMINATIONS

Nominations are now being sought for the 1985 Oberly Award for bibliographic excellence in the agricultural or related sciences. To be eligible, a bibliography must have been published in 1983 or 1984 and the author, editor, or compiler must be a U.S. citizen. Bibliographies will be judged on usefulness, scope, accuracy, format, explanatory features, and indexing methods. The award is administered by the Science and Technology Section of the Association of College and Research Libraries. It will be presented at the annual meeting of the American Library Association in July 1985 in Chicago. Nominations in the form of a letter and including, if possible, a copy of the bibliography, should be sent by January 1, 1985, to: Chairperson, Oberly Award Committee; ACRL/ALA; 50 East Huron St.; Chicago, IL 60611.


PUBLICATIONS AVAILABLE

NAL has accumulated a significant number of issues and volumes of the publications listed below. These will be made available free, as long as supplies last, to any interested organizations that regularly sends free publications to NAL. This includes most Federal, land-grant, and agricultural research institutions as well as many other organizations.

- 1. Agricultural Statistics - 1936+
- 2. Bibliography of Agriculture - scattered issues and cumulations; some volumes complete
- 3. National Agricultural Library Catalog - mostly 1978+
- 4. USDA Yearbook - 1894+


The following publications are also available:

- 1. Birds of North and Middle America - Pt. I, 1901 - XI, 1950 and about 20 other publications on birds all prior to 1950 from the U.S. National Museum
- 2. Fruit Products Journal and American Food Manufacturers - v. 11, 1931 to 29, 1950 (bound), plus scattered issues of v. 8-10
- 3. Journal of Economic Entomology - v. 1, 1908 to 50, 1957 (bound)
- 4. National Agricultural Library Catalog - 1966-1970 (cumulated) and National Agricultural Library Catalog Indexes for 1971-1975 (cumulated)
- 5. National Shade Tree Conference, Proceedings of Annual Meetings- v. 5, 1929 to 10, 1934 and v. 16, 1940 to 35, 1959 (bound)
- 6. Oleagenaux, Revue Internationale des Corps Gras - v. 4, 1949 to 26, 1971 (bound) and v. 27, 1972 (bound)

If interested, please write to: National Agricultural Library, USDA, Attn: Collection Development - Gifts, Beltsville, MD 20705, or call Leslie Kulp, (301) 344-1562. 

NEW POSTAGE STAMP CELEBRATES NATION OF READERS

"A Nation of Readers" is the theme of a new 20-cent commemorative stamp to be issued by the U.S. Postal Service on October 16 at the Library of Congress. Librarian of Congress Daniel J. Boorstin and Postmaster General William F. Bolger will be the principal speakers at the 11 a.m. first-day-of-issue ceremony in the Coolidge Auditorium in the Jefferson Building. The phrase, "A Nation of Readers," is used by the Library's Center for the Book to remind Americans of the pleasure and importance of books and reading. President Abraham Lincoln reading to his son, "Tad," based on the well-known photograph in the Library of Congress' collections, was the image chosen for the commemorative stamp. It is appropriate that a stamp depicting President Lincoln as a reader be issued in cooperation with the Library of Congress, because Lincoln frequently used the Library when he served as both Congressman and President. His personal papers, the Alfred Whitall Stern Collection of Lincolniana, and other major research collections that illuminate his life and career as our twelfth President, are also housed in the Library of Congress.

Bradbury Thompson of Riverside, Connecticut, designed "A Nation of Readers" stamp. It is printed in brown and maroon with the words, "A Nation of Readers" and "USA 20¢," appearing in three lines of maroon type at the base of the design. The model for the stamp was designed by Esther Porter; the vignette by Thomas Hipschen; and the lettering and numerals by Dennis Brown. 



NAL PROJECTS AND POLICIES

MID-ATLANTIC MICROFILMING PROJECT COMPLETED


The Pennsylvania State University recently completed its project to coordinate the microfilming of agricultural publications of six states including: Pennsylvania, Delaware, Michigan, New Jersey, New York, and Maryland. This project was completed under a cooperative agreement between the National Agricultural Library (NAL) and Pennsylvania State University. The Penn State Life Science Library in turn signed agreements with each of the other participating States. NAL funded approximately 50% of the cost of microfilming this material. Each State provided the other 50%. The Pennsylvania State University issued the call for bids and supervised the work with the selected contractor, which in this case was Spaulding Company's Graphic Microfilm Division, Stoughton, Massachusetts.

The material filmed consists of agricultural experiment station and extension service publications issued since their beginning, in many cases dating back to the 19th century, up through about 1980. Each state retains a microfilm of its own publications, and the NAL retains backup copies of the films of all the States. Spaulding Company retains the marketing rights and has issued a price list for the reels, which are available both as complete sets by State and individually in 35mm reels, 16mm reels, and 16mm in cartridges. All microfilm is silver halide safety-base film.

The advantage of microfilming state agricultural experiment station and extension service publications is that it solves the problem of deteriorating paper on library shelves, multiplies the availability of out-of-print runs of serial publications, enables replacement or enhancement of

incomplete sets with complete ones, and saves space. All these materials constitute a valuable historical record of the nation's agriculture.


With the completion of the Mid-Atlantic project, a total of 35 states have participated in this activity. It is now the NAL's goal to bring up to date and keep current (on an annual basis) the microfilming of all the states' agricultural publications.

For further information, contact: John B. Forbes, Network Coordination, National Agricultural Library, Room 204, Beltsville, Maryland 20705; 301-344-1563. 

NEW DIRECTORY AUTHORED BY NAL STAFFER

Robyn Frank, Chief of the Food, Nutrition, and Human Ecology Staff, National Agricultural Library, is the author/editor of a new guide, "Directory of Food & Nutrition Information Services and Resources," being published by Oryx Press of Phoenix, Arizona. The 256-page Guide provides a comprehensive list of information sources, services, and data bases on nutrition, food, food service management, and food science.

The directory is tailored to meet the needs of nutritionists, dieticians, health professionals, educators, librarians, and information specialists who need to identify appropriate, reliable sources of food and nutrition information. The book contains chapters on data bases, microcomputer software, periodicals, indexes, organizations, and other information sources. Nutrient tables are included for easy access to food composition data.

Frank has been with the NAL for the past 10 years. She received her bachelor of science degree in home economics in 1967 and her masters degree in library and information science in 1972 from the University of Maryland. She has also worked for the American Society for Information Science on a project to plan and develop a model education information center for the U.S. Office of Education and planned and operated an education resource information center for the District of Columbia public schools. 

STACK RETRIEVAL OPERATIONS PUT UNDER CONTRACT


The NAL's stack retrieval operations have been put under contract for the first time in a major effort to improve document delivery services to the Department, libraries, and the general public as recommended by the Blue Ribbon Panel's 1982 report on the Library's operation.

The Macro Corporation, for \$180,000 a year, has agreed to sort, shelve, and retrieve up to 300,000 document requests per year; and to do so within 24 clock hours of receipt. Since Macro already had the photolab contract, also with a 24 hour turnaround time, document requests with call numbers should be supplied within 24 to 48 hours of receipt; requests without call numbers will take an extra day. Service to the land-grants and the Department should improve dramatically as a result. Problem requests for documents not owned by NAL or owned but not on the shelf will take longer as they must be borrowed from other sources.

Also, review of the various methods available for receipt of electronic mail requests and for electronic dissemination of information and/or publications has already begun. Provision of service by these means should be available in the very near future.

Last year, NAL became a participant in the OCLC interlibrary loan subsystem. During the first year, the requests received via OCLC increased by 467 percent. At the same time, in order to complete Department requests for items not available in NAL, we began ordering materials from the American Chemical Society via OCLC and from the Commonwealth Agricultural Bureaux via Dialog. Service began to improve; however, additional improvement was needed in the notification to patrons when requests could not be completed and in the processing of materials obtained to complete Departmental requests.

In June 1983, we amended a current contract so the contractor would notify USDA patrons of delays or non-USDA patrons of cancellations, and distribute materials obtained from outside NAL to USDA patrons. The branch staff was then free to verify titles, solve citation problems, and handle requests more efficiently.


For more information contact
Veronica Lefebvre, Acting Head, Lending
Branch, USDA, National Agricultural
Library, Beltsville, MD 20705;
301-344-3717. 

FIFL/LAND-GRANT LIBRARIANS MEETING, WASHINGTON, D.C., NOVEMBER 26-27

The NAL is planning a special 2-day (agency) program for USDA field librarians and land-grant librarians to take place November 26-27, 1984, during the annual Federal Interlibrary Field Librarians (FIFL) Workshop at the Shoreham Hotel, Washington, D.C. the week of November 25.

The Monday session of the NAL meeting will include discussions on agricultural community interrelationships, public services (e.g. electronic mail, new technologies, non-bibliographic databases), and state publications. The Tuesday morning session will focus on USDA/GPO publications and technical services (e.g. cooperative indexing, cooperative cataloging, cooperative acquisitions, AGRICOLA concerns, and new technologies). Tours of NAL and the Beltsville Agricultural Research Center will be offered in the afternoon.

By special arrangement with the FIFL planning committee, agricultural land-grant librarians may attend the Sunday preconference mixer at a cost of \$9.00 by prepayment only to Ellen Cook, Treasurer, P. O. Box 2532, Laurel, MD 20708 (tel: 202-343-4750). Most of you have already received the registration forms. Land-grant librarians may use these forms for registering for the preconference mixer with November 15 as the deadline for submission.

NAL director Joseph Howard emphasized the 2-day NAL session on Monday and Tuesday is open to all land-grant librarians. For further information contact John Forbes, 301-344-1563. 



NEW PUBLICATIONS OF NOTE

BIOLOGICAL NITROGEN FIXATION TECHNOLOGY FOR TROPICAL AGRICULTURE. Ed. P. H. Graham and S. C. Harris, 1982. 726 p. \$20. Order from NIFTAL Project and Mircen, University of Hawaii, P. O. Box O, Maui, HI 96779.

*DISTRIBUTION OF EMPLOYMENT GROWTH IN NINE KENTUCKY COUNTIES, A CASE STUDY. Stan G. Daberkow, et al. Washington, D.C., U.S. Department of Agriculture, Economic Research Service, August 1984. (Rural Development Research Report No. 41). 35 p. \$2.25.

*DRIP IRRIGATION FOR COTTON, IMPLICATIONS FOR FARM PROFITS. Paul Wilson, et al. Washington, D.C., U.S. Department of Agriculture, Economic Research Service, July 1984. (Agricultural Economic Report No. 517). 29 p. \$2.00.

*ECONOMIC INDICATORS OF THE FARM SECTOR, FARM SECTOR REVIEW, COSTS OF PRODUCTION, 1983. Washington, D.C., U.S. Department of Agriculture, Economic Research Service, July 1984. (ECIFS-3-1). 156 p. Five reports annually, available on a subscription basis, \$15.00.

END USER'S GUIDE TO BUYING SMALL COMPUTERS. Washington, D.C., U.S. General Services Administration, August 1984. 28 p. Free. Limited copies available from Office of Information Resources Management, U.S. General Services Administration, Washington, D.C. 20405 (Tel: 202-566-0194).

FATS IN ANIMAL NUTRITION. J. Wiseman, 1984. 521 p. \$110.00. Order from Butterworth Publishers, 80 Montvale Avenue, Stoneham, MA 02180 (Tel: 617-438-8464).

HERBS: THE SCIENTIFIC LITERATURE ON SELECTED HERBS, AND AROMATIC AND MEDICINAL PLANTS OF THE TEMPERATE ZONE (An Indexed Bibliography, 1971-1980). James E. Simon, et al., 1984. \$69.50. Order from Shoestring Press Books, Archon Books, Hamden, CT 06514.

*JAPANESE AND EUROPEAN COMMUNITY AGRICULTURAL TRADE POLICIES: SOME U.S. STRATEGIES. Philip L. Paarlbers and Jerry A. Sharples. Washington, D.C., U.S. Department of Agriculture, Economic Research Service, August 1984. (Foreign Agricultural Economic Report No. 204). 16 p. \$1.50.

PLANT BREEDING IN NEW ZEALAND. Ed. G. S. Wratt and H. C. Smith, 1983. 309 p. \$34.95. Order from Butterworth Publishers 80 Montvale Avenue, Stoneham, MA 02180 (Tel: 617-438-8464).

A STUDY OF NINE CORN-BASED FOOD BLENDS FORMULATED BY COMPUTER FOR MAXIMUM PROTEIN QUALITY. R. E. Hayes, et al. U.S. Department of Agriculture, Agricultural Research Service, June 1984. (Agricultural Research Results, ARR-S-18). 24 p. Price unknown. Order from USDA, ARS, Southern Regional Research Center, P. O. Box 19687, New Orleans, LA 70179.

*WORLD TRADE IN FRUITS AND VEGETABLES, PROJECTIONS FOR AN ENLARGED EUROPEAN COMMUNITY. Alexander H. Sarris. Washington, D.C., U.S. Department of Agriculture, Economic Research Service, August 1984. (Foreign Agricultural Economic Report No. 202). 58 p. \$2.75.

*Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Tel: 202-783-3238.





AGRICULTURAL TRANSLATIONS

This column is an alert to selected new receipts at NAL. They are available thru loan requests (AD-245) to USDA personnel. Paid photoduplication to non-USDA persons is available (\$5/10 pages or fraction thereof per citations). Trans. No. and citation MUST be on request. Send to:

Lending Branch
National Agricultural Library
U.S. Dept. of Agriculture
Beltsville, MD 20705

Ahrens, F. Transmission Control of a Measuring Means to Realize Agricultural Cultivation Limits with the Help of Ultrasonics. Translated from German: AGRARTECHNIK 30 (3), 104-106, 1980. Trans. No. 29982

Bennett, R. Control of Aujeszky's Disease by Prevention Virus Disease of Swine. Translated from French: L'ELEVAGE PORCIN (ELEV PROCINI), PARIS, 1 pp., 1980. Trans. No. 30035.

Blobel, H., Bruckler, J., D. Kitzrow, and Blobel, K. Contagious Equine Metritis (CEM). Translated from German: PRAKT. TIER. 61 (1) 41-42, 1980. Trans. No. 30210.

Bohm, H.O., Sieber, C., and Strauch, D. The Rotating Aeration (System Fuchs) for Treatment of Liquid Animal and Municipal Wastes, 9 Report: The Effects of Aerobic Treatment of Pig Slurry Containing Pseudorabies Virus. Translated from German: BERL. MUNCH. TIERAERZTEL. WOCHENSCHR, 93(6), 15 Mar. 1980. Trans. No. 30036.

Deppe, Hans-Joachim. Emissions of Organic Substances from Processed Wood Materials. Translated from German: HOLZ-ZENTRALBLATT, No. 10, 123-124, 126, January 1982. Trans. No. 30383.

Franclet, A. Rejuvenation and Vegetative Propagation of Woody Plants. Translated from French: EXTRAIT DES ANNALES AFOCEL, p. 12-24, 36-39, 1980. Trans. No. 30443.

Heinicke, W. Epizootiological Prerequisites and Results of Use of Live Vaccines. Translated from German: ARCH. EXP. VETERINARMED, 34 (1), 131-141, 1980. Trans. No. 30216.

Iur'ev, I.U.I., and Bogdanov, E.A. Roll Forging of Frame Saws. Translated from Russian: DEREVOBRABATYVAIUSHCHAYA PROMYSHLENNOST', no. 2, 5-7, 1983. Trans. No. 30391.

Jacobs, U. and Zott, A. Thin Layer Chromatography, A Method for Identifying Phoma Exigua Desm. Ar. Foveata (Foister) Boerema. Translated from German: ARCHIV FUR PHYTOPATHOLOGIE UND PFLANZENSCHUTZ, Berlin, 16 (6), 381-386, 1980. Trans. No. 30217.

Kleinschmidt, H.P. On-Line Measurement of the Mat Height and Cross-Section Profile Recording for the Purpose of Rationalizing Particle Board Production. Translated from German: HOLZ ALS ROH- UND WERKSTOFF, 41, 423-425, 1983. Trans. No. 30619.

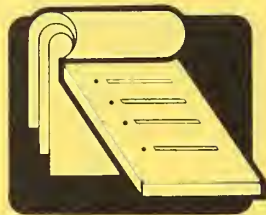
Knof, G. A Continuous Flow Transpiration Porometer for Measuring the Diffusion Resistance in Plants and Field Experiments. Translated from German: ARCH. ACKER- U. PFLANZENBAU U. BODENKD BERLIN, 24, (10) 647-654, 1980. Trans. No. 30048.

Lakhtanov, A.G. The Influence of Crookedness in Logs on the Optimal Dimensions and Volume Output of Four-Canted Beams. Translated from Russian: DEREVOBRABATYVAIUSHCHAYA PROMYSHLENNOST', No. 7, 8-9, 1983. Trans. No. 30404.

Mehlhorn, L. Characteristic Factors for Operating Process Control Systems. Translated from German: HOLZ ALS ROH- UND WERKSTOFF, 41, 417-421, 1983. Trans. No. 30430.

Merkt, H., Bispingen, W., Gunzel, A.R., and Kirpal, G. Swab Sample in the Gynaecological Examination of the Mare. Translated from German: PRAKT. TIER., 61, (4), 304-308, 1980. Trans. No. 30364.






NEW SERIALS RECEIVED AT NAL

BIOTECHNOLOGY & GENETIC ENGINEERING
REVIEWS. Newcastle Upon Tyne,
Intercept. irr. Vol. 1 (1984)-
TP248.3.B46

BULLETIN OF ZOOLOGY. Peshawar,
Pakistan, Dept. of Zoology, University
of Peshawar. irr. Vol. 1 (1983)-
QL1.B8

INDIAN JOURNAL OF FARM CHEMICALS.
Madras, Vishvas Publications. m. Vol.
1, no. 1 (Sept. 1983)-
S583.I52

ILRAD REPORTS. Nairobi, Kenya,
International Laboratory for Research
on Diseases. q. Vol. 1, no. 1 (July
1983)-
SF600.I46

SF & N (Southern Florist and
Nurseryman). Fort Worth, TX,
Branch-Smith Pub. m. Vol. 97, no. 1,
(Jan. 1984)-
80 So86 

INCREASE IN COST OF INTERLIBRARY LOAN/PHOTODUPLICATION SERVICES

Effective October 15, 1984,
photoduplication fees will be
increased. These fees had remained at
the same level since 1981 and this
change reflects increased costs since
that time. The National Agricultural
Library is aware of the price concerns
of requesters and has set these fees at
the lowest level to comply with
regulations requiring cost recovery for
such reproduction. This increase was
announced in the Federal Register, Vol.
49, No. 179, Thursday, September 13,
1984.

PRICES

Electrostatic, microfilm, and microfiche
copy:

\$5.00 for the first 10 pages or fraction
thereof per article.

\$3.00 for each additional 10 pages or
fraction thereof.

Duplication of NAL owned microfiche:

\$5.00 for the first fiche and \$.50 for
each additional fiche.

BILLING

The National Technical Information Service
(NTIS) serves as the collection agent for
photoduplication service fees. For your
information, fees are noted on the request
form. The form is NOT to be used as an
invoice. There is no charge for items
which we cannot supply. **PLEASE DO NOT
SEND PAYMENT.** Invoices are issued
quarterly by NTIS.

When invoices are received, U.S. requesters
can pay by deposit account, check, money
order, or by American Express, Visa, or
MasterCard accounts. Payment by non-U.S.
institutions should be in U.S. dollars in
the form of a deposit account, money order,
cashier's check, bank draft or UNESCO
coupons.

Requesters who submit photoduplication
requests on a recurring basis are
encouraged to establish deposit accounts
with NTIS. For information regarding such
accounts, write the National Technical
Information Service, 5285 Port Royal Road,
Springfield, Virginia 22161.

For additional information write: Lending
Branch, National Agricultural Library,
Beltsville, Maryland 20705. 



AGRICULTURE DATEBOOK

December 5-7: 4th ANNUAL VIDEO DISC AND OPTICAL DISK CONFERENCE. Washington, D.C., Washington Hilton. Contact: Mark Roseman, Meckler Communications, 520 Riverside Ave., Westport, CT 06880. Tel: (203) 226-6967.

1985

October 28-30: AG IN THE CLASSROOM NATIONAL MEETING. National 4-H Center, Chevy Chase, MD. Contact: Peggy Hart, Director, Ag in the Classroom, USDA, Room 227-W, Washington, D.C. 20250. Tel: (202) 447-5727.

November 14-16: ANNUAL CONFERENCE, NATIONAL ASSOCIATION OF GOVERNMENT COMMUNICATORS. Rosslyn West Park Hotel, Arlington, VA. Theme: "Communicators at the Crossroads." Contact: NAGC, 80 South Early Street, Alexandria, VA 22304. Tel: (703) 823-4821.

November 25-30: FEDERAL INTERAGENCY FIELD LIBRARIANS' WORKSHOP. 13th Annual Meeting. Washington, D.C., Shoreham Hotel. Contact: Barbara Bauman, U.S. Dept. of Interior, Info. & Library Services, 18th & C Streets, N.W.-Room 2012, Washington, D.C. 20240. Tel: (ask for FIFL Hotline) (202) 343-5821.

December 2-4: 42ND PROFESSIONAL AGRICULTURAL WORKERS CONFERENCE (PAWC). Tuskegee Institute, AL. Theme: "Strategy for the Survival of Small Farmers in the United States." Contact: Dr. T.T. Williams, Director, Human Resources Development Center, P. O. Box 681, Tuskegee Institute, AL 36088. Tel: (205) 727-8764.

December 11-12: ESCOP SPONSORED WORKSHOP ON STATE AND FEDERAL LIAISON. Atlanta, GA. Contact: Glen W. Goss, Director of Agricultural Communications, The Pennsylvania State University, 401 Agricultural Administration Bldg., University Park, PA 16802. Tel: (814) 863-2702.

January 5-10: 1985 ALA MIDWINTER MEETING. Sheraton Washington & Shoreham Hotels, Washington, D.C. Contact: American Library Association, 50 E. Huron Street, Chicago, IL 60611. Tel: (312) 944-6780.

February 26-28: AGRI-MATION I. (Automation in Agriculture). Chicago, IL. Sponsored by the Society of Manufacturing Engineers and the American Society of Agricultural Engineers. Contact: Patricia Van Dore, Society of Manufacturing Engineers, One SME Drive, P. O. Box 930, Dearborn, MI 48121. Tel: (313) 271-1500.

March 4-6: NATIONAL FEDERATION OF ABSTRACTING & INFORMATION SERVICES (NFAIS). 27th Annual Conference. Arlington, VA, Crystal Gateway Marriott Hotel. "New Developments in Electronic Publishing & Information Services." Contact: NFAIS, 112 South Sixteenth St., Suite 1207, Philadelphia, PA 19102. Tel: (215) 563-2406.

May 9-11: TWENTY-SECOND ANNUAL MEETING OF THE SOUTHERN REGIONAL SCIENCE ASSOCIATION. Washington, D.C., Washington Hotel. Contact: Barry Moriarity, Dept. of Geography, University of North Carolina, Chapel Hill, NC 27514.

June 2-6: INFORMATION FOR FOOD. VII World Congress of the International Association of Agricultural Librarians and Documentalists. Ottawa, Canada. Contact: Canadian Planning Committee, IAALD 1985, Room 249, Sir John Carling Blvd., Agriculture Canada, Ottawa, Canada, K1A 0C5.

June 19-21: FIFTH CONFERENCE ON MICROCOMPUTERS IN EDUCATION AND TRAINING. Washington, D.C. Contact: Society for Applied Learning Technology, 50 Culpeper Street, Warrenton, VA 22186. Tel: (703) 347-0055.

United States Department of Agriculture
National Agricultural Library
Beltsville, Maryland 20705

OFFICIAL BUSINESS
Penalty for Private Use, \$300

FIRST CLASS MAIL
POSTAGE & FEES PAID
USDA
PERMIT NO. G95

July 8-12: TENTH CONFERENCE OF THE INTERNATIONAL SOIL TILLAGE RESEARCH ORGANIZATION. Guelph, Ontario, University of Guelph. Contact: T. B. Daynard, Crop Science Dept., University of Guelph, Guelph, Ontario N1G 2W1, Canada.

August 5-9: PENICILLIUM WORKSHOP. University of Georgia, Athens, GA. Laboratory workshop on the identification of Penicillium, J. I. Pitt, principal instructor. Contact: Maren A. Klich, USDA, Southern Regional Research Center, P. O. Box 19687, New Orleans, LA 70179. Tel: (504) 589-7597.

August 18-24: INTERNATIONAL FEDERATION OF LIBRARY ASSOCIATIONS AND INSTITUTIONS (IFLA) GENERAL CONFERENCE. Chicago, IL. Contact: Robert P. Doyle, IFLA '85 Coordinator, 50 E. Huron Street, Chicago, IL 60611. Tel: (312) 944-6780.

August 21-23: SEVENTH ANNUAL CONFERENCE ON INTERACTIVE VIDEODISC IN

EDUCATION AND TRAINING. Washington, D.C. Contact: Society for Applied Learning Technology, 50 Culpepper Street, Warrenton, VA 22186. Tel: (703) 347-0055.

November 17-21: THIRD INTERNATIONAL DRIP/TRICKLE IRRIGATION CONGRESS. Centre Plaza Holiday Inn, Fresno, CA. Sponsored by the American Society of Agricultural Engineers and the Irrigation Association. The Cooperative State Research Service is a cooperating sponsor. Papers must be received no later than November 1, 1984. Contact: ASAE, 2950 Niles Rd., St. Joseph, MI 49085-9659.

AGRICULTURAL LIBRARIES INFORMATION NOTES provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities. It is published monthly by the U.S. Department of Agriculture, National Agricultural Library, Beltsville, MD 20705. Eugene Farkas, Editor, Marilyn M. Jacobs, Assistant Editor. (Tel: 301-344-3778).

